

IN THE CLAIMS

Claims 1 - 87 are pending in the application. By this amendment claims 68, 73, and 84 are amended. New claims 88 - 93 are added. Claims 1 - 67, 78 - 81, 86. And 87 are cancelled, without prejudice.

1 - 67. (cancelled)

68. (currently amended) A multi-component container for a nuclear reactor pressure vessel head with attached control rod mechanisms, comprising:

a bottom component adapted for attachment to a head-to-body joint flange of a nuclear reactor pressure vessel head and for containment of a portion of the pressure vessel head; and

at least one cylindrical component configured for attachment to the pressure vessel head and for at least partial containment of at least one control rod mechanism attached to the pressure vessel head; ~~at least one of the components configured to pass through an existing access to a structure containing a nuclear reactor pressure vessel, and for attachment to at least one of the pressure vessel head and the another component inside the containment structure..~~

69. (original) The container of claim 68, comprising a top component adapted for attachment to the at least one cylindrical section.

70. (original) The container of claim 68, wherein at least two of the components comprise flanges adapted for attaching the components to each other.

71. (original) The container of claim 70, wherein the flanges are adapted for providing a seal between the flanges when the components are attached.

72. (original) The container of claim 71, wherein the flanges are adapted for attaching a first cylindrical component to a second cylindrical component.

73. (currently amended) The container of claim 71, wherein the flanges are adapted for attaching a cylindrical component to at least one of ~~[a]~~ the bottom component and a top component.

74. (original) The container of claim 71, wherein the seal comprises a gasket.

75. (original) The container of claim 71, wherein the seal comprises at least one of neoprene, rubber, nylon, butyl-N, and Teflon.

76. (original) The container of claim 68, wherein at least one of the components comprises a flange adapted for absorbing shocks.

77. (original) The container of claim 68, wherein at least one of top component and the bottom component are circular when the container is assembled.

78 - 81. (cancelled).

82. (original) The container of claim 68, wherein the bottom component is adapted for attachment to the pressure vessel head using structures on the pressure vessel head adapted for attachment of the head to the pressure vessel.

83. (original) The container of claim 69, wherein the bottom component comprises bosses configured for attachment to structures on the pressure vessel head adapted for

attachment of the head to the pressure vessel.

84. (currently amended) A ~~multi component container for a nuclear reactor pressure vessel head with attached control rods, comprising:~~

~~at least one cylindrical component configured for at least partial containment of at least one control rod attached to the pressure vessel head; at least one of the components configured to pass through an existing access to a structure containing a nuclear reactor pressure vessel, and for attachment to at least one of the pressure vessel head and the another component inside the containment structure; and~~

The container of claim 68, comprising at least one secondary shield adapted for disposition adjacent to an inside or outside surface of a portion of the container.

85. (original) The container of claim 84, wherein the at least one secondary shield comprises a cylindrical component adapted for disposition adjacent to an inner or outer surface of a cylindrical portion of the container.

86 - 87. (cancelled).

88. (new) A packaged radioactive nuclear reactor pressure vessel head, comprising:

a radioactive nuclear reactor pressure vessel head comprising a head-to-body joint flange and at least one connected control rod mechanism;

a bottom component attached to the head-to-body joint flange and providing containment for a portion of the pressure vessel head;

at least one cylindrical component attached to the pressure vessel head and providing containment for the at least one connected control rod mechanism.

89. (new) The package of claim 88, wherein a portion of the reactor pressure vessel head is left exposed.

90. (new) The package of claim 89, wherein the exposed portion of the reactor pressure vessel head comprises a portion of the head-to-body flange.

91. (new) The container of claim 88, comprising a top component adapted for attachment to the at least one cylindrical section.

92. (new) The container of claim 88, wherein the bottom component is adapted for attachment to the pressure vessel head using structures on the pressure vessel head adapted for attachment of the head to the pressure vessel.

93. (new) The container of claim 92, wherein the bottom component comprises bosses configured for attachment to structures on the pressure vessel head adapted for attachment of the head to the pressure vessel.